

# Modeling Working Group

- Goals
  - Distribute standard model (Hindcast: POP/Bryan, SODA/Caron; Real-time nowcast/forecast: HYCOM, ROMS/Chao-Li) output (SSH, T, S, U/V)
  - Produce “situation awareness” asset summary/report on the daily basis
  - On-demand production of specific model products; Input from other WGs: what other model products (e.g., SSS gradient) would you like to see?
- Major issues
  - Model validation against available data; how to compare different data types (e.g., single point mooring, 100-km average Aquarius) with models at different resolutions (10-km, 1-km)?
- Action items
  - WG monthly conference calls
  - Dry-run before the 1<sup>st</sup> cruise seeking feedback
- Timeline
  - April, HYCOM on DMS
  - May-June, other models (POP/Bryan, SODA/Caron, ROMS/Chao-Li) on DMS
  - July, dry-run, collect feedback, and refinement
  - Aug., ready for the 1<sup>st</sup> cruise

# OSSE Working Group

- Goals
  - Conduct OSSE experiments to support team wet
- Major issues
  - Develop OSSE scenarios (e.g., where to deploy drifters from the August cruise in order to have optimal coverage in the SPURS domain?)
  - Develop observing system simulators (i.e., deploy virtual sensors in models)
- Action items
  - WG monthly conference calls
  - Dry-run before the 1<sup>st</sup> cruise seeking feedback
  - Work with WGs from the Wet teams
- Timeline
  - Feb., select the OSSE example (e.g., drifter deployment)
  - March-April, produce 1<sup>st</sup> results, collect feedback,
  - May-June, refine OSSE experiment, select more OSSE upon request,
  - July, OSSE results finished for the 1<sup>st</sup> cruise